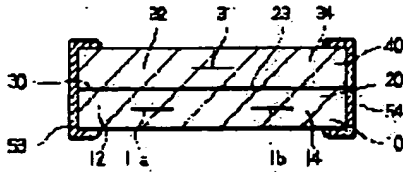


0-072



(57)Abstract:

**PURPOSE:** To provide a compact noise filter capable of abating high frequency noise without giving any crosstalk to multiple signal lines at all to be packaged in high density at low cost.

**CONSTITUTION:** Within this noise filter as a laminated body comprising four square dielectric sheets 10, 20, 30 and 40, the sheet 10 is provided with inner electrodes 11a, 11b connected to one side but at the insulating interval from the remaining three sides on the sheet surface. The sheet 30 is also provided with an inner electrode 31 similar to the sheet 10 on the sheet surface. On the other hand, the sheet 20 as an intermediate sheet is provided with an earth electrode 23 insulated from a pair of sides corresponding to the sheet 10 and 30 connected to the inner electrode 31 but connected to the other pair of sides on the sheet surface so as to form a capacitance between the inner electrode 31 and the earth electrode 23 through the intermediary of the sheet 20 and 30. In such a constitution, a signal electrode connected to the inner electrode 31 and grounding electrodes 53, 54 connected to the earth electrode 23 are to be formed independently from each other on the side of the laminated body.

(11)Publication number : 06-151244

(43)Date of publication of application : 31.05.1994

(51)Int.Cl.

H01G 4/42

H01G 1/015

H01G 4/12

(21)Application number : 04-322414

(71)Applicant : MITSUBISHI MATERIALS CORP

(22)Date of filing : 06.11.1992

(72)Inventor : SHIMURA MASARU  
HIRAOKA HARUO  
IKEMATSU YOICHI  
UCHIDA AKIRA  
KOJIMA YASUSHI

(54) NOISE FILTER